

This monthly update provides residents with an overview of works on the SH16 Lincoln to Westgate Upgrade.

SH16 Lincoln to Westgate Upgrade

Works on this section of the motorway are scheduled for completion at the end of this year. The team is completing the many tasks that go along with the widening the motorway and replacing three bridges over this section of motorway.

Paving the motorway

We are starting to lay some of the new motorway surface. This work includes the original motorway lanes as well as the two additional lanes on either side of the motorway.

Much of this work can only be done when the motorway is closed to traffic, after 9.00pm at night.

We will be carrying out paving works along this section of the motorway for the next few months. If you would like to receive earplugs, please contact us, details are on the back page.

Constructing the new on-ramp from Lincoln Road to Westgate

The bridge is located north west of the Lincoln Road interchange over the tidal Huruuru Creek on SH16 North Western Motorway. The recently demolished old bridge was built in 1955 when the population of Auckland was less than 400,000.

The new bridge will have a life span of 100 years. It has a single span with an overall average length of approximately 35 metres between bridge bearings.

The bridge is being constructed in two stages. Stage 1 comprises approximately half the upstream width of the full bridge with a minimum one metre clear zone between the new and the existing bridge.

Demolition work on the old bridge began in November 2018. This enabled sheet piling for the second half of the new bridge, which began in March 2019.



Removal of the bridge deck of the old bridge structure.

There are temporary stabilisers that allow the team to build the new structure while keeping Huruwhiri Creek away from the foundations.

The completed bridge will include a 3m wide shared path for pedestrians and cyclists.



The gap where the old bridge used to be with traffic now running on the first half of the new bridge.

A barrier designed to prevent pedestrians from falling will be installed on the western edge next to the shared path. The bridge superstructure consists of 1525mm deep pre-stressed concrete Super Tee beams with an in-situ concrete deck topping. The superstructure is supported at the abutments.

Traffic will be moved to its final temporary alignment in August/September to enable the two sides of the new bridge to be joined together.

Meet one of the team

Liang Cao - New Zealand Transport Agency (NZTA)



What is your role on the project?

I am the Project Manager and I am responsible for organising and controlling the project and ensuring the work is done well and on time.

How did you come to be in the role?

I have a Bachelor's Degree in Civil Engineering and a Master's Degree in Construction Management from University of Auckland, New Zealand.

After working for five years with a global engineering consultancy company, I decided to travel overseas and gain experience. With the experience I gained I returned home and joined the civil engineering industry, becoming a Senior Site Engineer on a number of major capital projects, including Puhoi to Warkworth, SH20A to Airport and Waikato Expressway - Cambridge Section.

Working for NZTA allows me to use my previous experience as a consultant and contractor.

What do you enjoy doing in your spare time?

I love to travel but with a young growing family, travel plans are currently on-hold.

I play basketball once a week and am a big fan of Golden States Warriors.



To stay up-to-date on all our works, go to nzta.govt.nz/projects/the-western-ring-route/sh16-lincoln-to-westgate
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